

# (12) UK Patent Application (19) GB (11) 2 137 573 A

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(56) Documents cited  
GB 1155807 GB 0934037  
Periodical: "Lastanto Omnibus" Dec. (1980) p.29

(58) Field of search  
B7J

(54) Video rear-view system for  
vehicles

(57) The vehicle (1) is provided with a video camera (2) which views in a rearwards direction and a video monitor (4) for being viewed by a driver of the vehicle. The camera feeds video signals to the monitor via a cable (5) and the camera and the monitor are powered by a battery (6) of the vehicle.

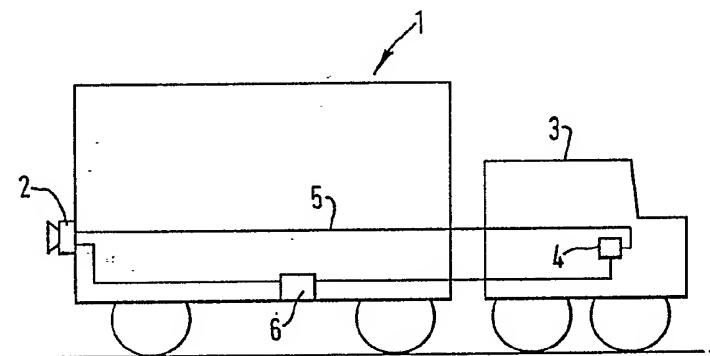


FIG. 1.

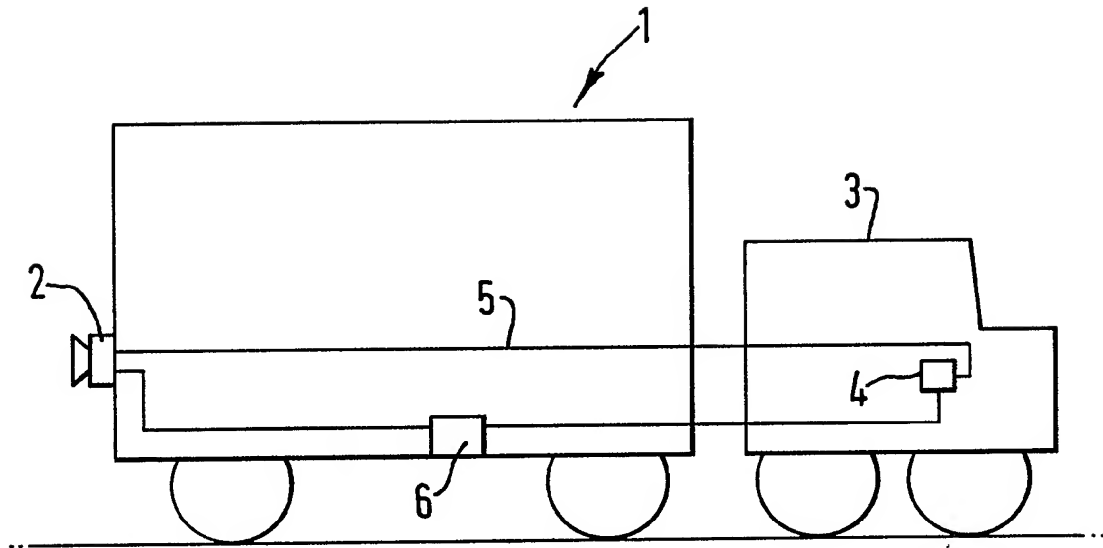


FIG. 1.

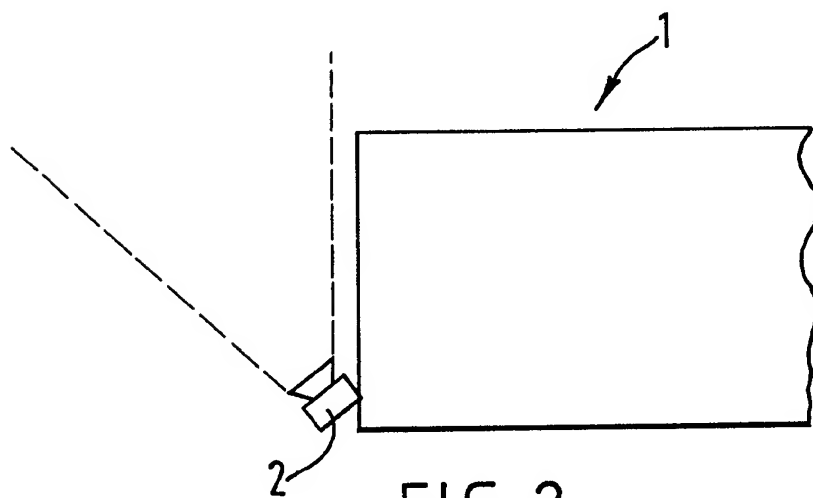


FIG. 2.

## SPECIFICATION

### Vehicles

- 5 According to the present invention, there is provided a vehicle provided with a video camera situated for viewing in a rearwards direction and a video monitor situated for being viewed by a driver of the vehicle, the camera being coupled with the monitor for  
 10 feeding video signals thereto and the camera and the monitor being powered by a battery of the vehicle.

The vehicle could, for example, be a road vehicle such as a lorry.

- 15 The present invention will now be described, by way of example, with reference to the accompanying drawing, in which:-

*Figure 1* is a side view of a lorry; and

*Figure 2* is a plan view showing how a video

- 20 camera on the lorry could be mounted to view in a rearwards direction.

- Referring first to *Figure 1*, a lorry 1 has mounted at its rear a video camera 2 (for example one of the type EXPT-1006 made by Elbex Japan Limited) which  
 25 views in a rearwards direction and mounted in its cab 3 a video monitor 4 (for example one of the JVC type TM-22EG/EK) which can be viewed by a driver of the vehicle.

- The camera 2 transmits video signals to the  
 30 monitor 4 via a co-axial cable 5 and both the camera and the monitor are powered by a 12 volts D.C. battery 6 of the vehicle.

- The camera 2 and monitor 4 are provided for giving a driver of the lorry 1 a rear view of what  
 35 would otherwise be a "blind spot" of the lorry and for this purpose the camera 2 could be mounted as shown in *Figure 2* - the camera facing somewhat towards a side of the lorry 1 (its field of view being shown by broken lines) to view as much of the "blind  
 40 spot" as possible.

Although the camera 2 is shown externally of the lorry 1, preferably it would be housed within the body of the lorry itself, viewing through a transparent cover such as a dome.

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### CLAIMS

1. A vehicle provided with a video camera situated for viewing in a rearwards direction and a video  
 50 monitor situated for being viewed by a driver of the vehicle, the camera being coupled with the monitor for feeding video signals thereto and the camera and the monitor being powered by a battery of the vehicle.
- 55 2. A vehicle according to claim 1 which is a lorry.
3. A vehicle according to claim 1 or 2, wherein the camera also views somewhat towards a side of the vehicle.
4. A vehicle according to any preceding claim,  
 60 whenever the camera views through a transparent cover.

5. A vehicle, substantially as herein described with reference to the accompanying drawing.

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